

20. The magnetic core according to claim 6, wherein the resin is at least one selected from the group consisting of polypropylene resins, 6-nylon resins, 12-nylon resins, polyimide resins, polyethylene resins, and epoxy resins.

21. The magnetic core according to claim 6, wherein the surface of the permanent magnet is coated with a resin or a heat-resistant coating having a heat resistance temperature of 120°C or more.

22. The magnetic core according to claim 6, wherein the magnet powder is a rare-earth magnet powder selected from the group consisting of SmCo, NdFeB, and SmFeN.

23. The magnetic core according to claim 6, wherein the magnet powder has an intrinsic coercive force of 10 kOe or more, a Curie point of 500°C or more, and an average particle diameter of the powder of 2.5 to 50 μm .

24. The magnetic core according to claim 23, wherein the magnet powder is a Sm-Co magnet.

25. The magnetic core according to claim 23, wherein the SmCo rare-earth magnet powder is an alloy powder represented by $\text{Sm}(\text{Co}_{\text{bal}}\text{Fe}_{0.15 \text{ to } 0.25}\text{Cu}_{0.05 \text{ to } 0.06}\text{Zr}_{0.02 \text{ to } 0.03})_{7.0 \text{ to } 8.5}$.

26. The magnetic core according to claim 23, wherein the resin content is 30 vol% or more.

27. The magnetic core according to claim 23, wherein the resin is at least one selected from the group consisting of polyimide resins, poly(amide-imide) resins, epoxy resins, poly(phenylene sulfide) resins, silicone resins, polyester resins, aromatic polyamide resins, and liquid crystal polymers.

28. An inductor component, wherein at least one turn of coil is applied to the magnetic core according to ^{claim 1} any one of claims 1 to 27.